

FOR HIGH QUALITY MERCURY ANALYZERS

Mercury
in Liquid
Hydrocarbons



Ultra-Trace
Mercury Analyzer



Mercury in
Water & Wastes



Fully Automated
& Continuous
Mercury Monitor



TO SERVE YOU BETTER

NIPPON INSTRUMENTS CORPORATION (NIC),
the global leader in Mercury Analyzer automation
and instrumentation, commercialized the world's first
direct thermal decomposition Mercury Analyzer back
in the 1970s. Since then, we have continued to develop,
sell, and install a vast range of Mercury Analyzers and
customized solutions around the world for regulatory
agencies and institutions, universities, research
groups, oil & gas refineries, petrochemical industries,
food providers, biology & toxicology science groups,
and more.

Thanks to our strong R&D capacities and technological
innovations, NIC is the driving force in the Mercury
Analyzer market, setting the standards for functional
scope and user-friendliness. With a wide network of
knowledgeable sales partners and qualified
service partners, we provide scientifically-sound and
environmentally responsible solutions for our customers
around the globe.

www.hg-nic.com

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MEASURING MERCURY - SINCE 1978



**HIGH-PRECISION
MERCURY ANALYZERS & MONITORS
FOR LABORATORY, RESEARCH & INDUSTRY**



YOUR WORLDWIDE PARTNER

Direct Mercury
Analyzer



Mercury in
Air & Gases



Mercury in
Flue Gases



Mercury
Survey Meters



TRUST US & ALLOW US

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MODEL PE-1000 Series

Highly innovative, fully automated mercury analysis for your liquid hydrocarbons with unmatched sensitivity and precision. Fully compliant & accredited for UOP Method 938



MODEL MA-3000 Series



Quick, accurate & easy to use direct mercury analyzers for solid, liquid and gas. With no sample preparation required and multiple configurations available to meet your budget or automation needs.

No one does direct mercury analysis better than NIC!

MODEL AM-6F Series



Fully Automated, Continuous Mercury Monitor, the AM-6F is designed to measure gaseous elemental mercury (GEM) from ambient air accurately down to the sub nano-gram per cubic-meter level. The technique used is Direct Gold Amalgamation Sampling – CVAFS (Fluorescence technology) Detection.

MODEL EMP-3 Series



Light-weight, compact, high sensitivity mercury survey meter, allows direct real-time mercury measurements in the workplace, satisfying occupational hygiene and environmental safety guidelines like WHO, OSHA, NIOSH, ACGIH and more. Real-time results are highly crucial in order to allow quick decision making to minimize human exposure.

MODEL WA-5 Series



Ultra-trace mercury analysis in gases ranging from ambient air to LNG / LPG by certified EPA, ASTM, ISO & UOP methods. Available in AAS or AFS versions with multiple innovative automated sampling options.

MODEL RA-7000F Series



Completely automated solution for your ultra-trace (< 0.1 ppt) mercury analysis (CVAFS) analysis by regulatory methods **USEPA 1631E, 245.7, ISO 17852** and more. Automated additions of oxidant, quenching reagent and reduction reagent combined with discrete-direct-purge technology in a fully enclosed “clean-room” chamber environment.

MODEL RA-7000A Series



RA-7000A CVAAS Mercury Analyzer with innovative Discrete Direct Purge Reducing Vaporization Technique ensures unrivaled accuracy and precision. Boasting a detection limit of 0.5 ppt and a range up to 400 ppb, the RA-7000A is compatible with our versatile SANPRA™ Autosampler series. Experience reduced waste, faster analysis, and lower power consumption while protecting the environment.

Satisfies method USEPA 245.1, 245.2, 7470A, APHA 3112B, ISO 12846, ASTM D 3223, JIS K0102

MODEL SGM-9 Series



In this revolutionary & innovative design, NIC has produced an ultra-compact mercury monitor for on-site, real time measurement of mercury in stack gases. Simple yet reliable & lightweight for transport, with quick setup and ease of use. A great option for real-time verification of current CEMs or for optimization of stacks currently using absorbents for mercury removal.